12AH7-GT

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MEDIUM-MU TWIN TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage	12.6	ac or dc volts
Current	0.15	amp

Direct Interelectrode Capacitances (Approx.):°

	Unit No.1	Unit No.2	
Grid to plate	3	2.2	μμf
Grid to cathode and heater	2.8	3.2	μμf
Plate to cathode and heater	2.6	3	μμf
Plate of unit No.1 to plate of unit No.2	0.4		μμf
Grid of unit No.1 to grid of unit No.2	0.06		μμf

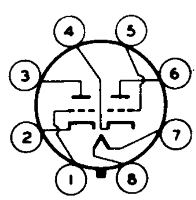
Characteristics, Class A_1 Amplifier (Each unit):

Plate Voltage	100	180	volts
Grid Voltage	-3.6	-6.5	volts
Amplification Factor	16	16	
Plate Resistance (Approx.)	10300	8400	ohms
Transconductance	1550	1900	μmhos
Plate Current	3.7	7.6	ma
Grid Voltage (Approx.) for plate current of 10 μamp	-8.5	-16	volts

Mechanical:

Mounting Position	Any
Maximum Overall Length	3-1/16"
Maximum Seated Length	2-1/2"
Maximum Diameter	1-9/32" ←
Dimensional Outline	*See General Section*
Bulb	T-9
Base	Intermediate-Shell Octal 8-Pin (JETEC No.B8-6) ←
Basing Designation for BOTTOM VIEW	8BE

Pin 1 - Grid of Unit No.2
Pin 2 - Cathode of Unit No.2
Pin 3 - Plate of Unit No.2
Pin 4 - Cathode of Unit No.1



Pin 5 - Grid of Unit No.1
Pin 6 - Plate of Unit No.1
Pin 7 - Heater
Pin 8 - Heater

° With external shield JETEC No.308 connected to cathode of unit under test.

← Indicates a change.

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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AMPLIFIER - Class A_1

Values are for Each Unit

Maximum Ratings, *Design-Center Values:*

PLATE VOLTAGE	180 max.	volts
PLATE-SUPPLY VOLTAGE	300 max.	volts
PLATE DISSIPATION	1.5 max.	watt
→ PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	200 max.	volts
Heater positive with respect to cathode.	200▲ max.	volts

▲ The dc component must not exceed 100 volts.

→ Indicates a change.

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